

FIGURE 1

Cellulose (6500x)

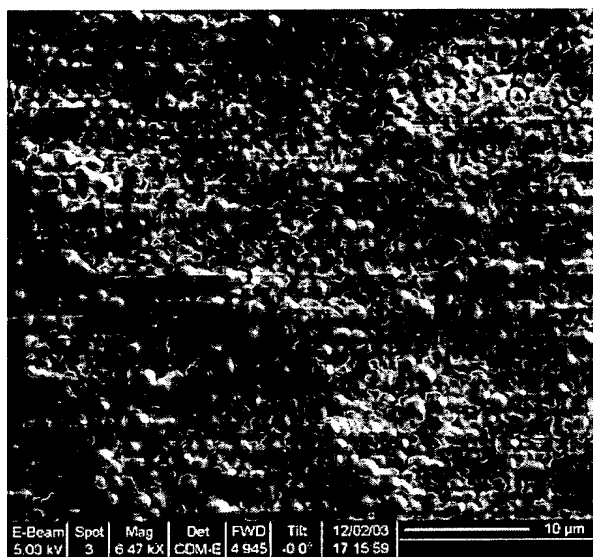


Figure 2A

Carbon (5000x)

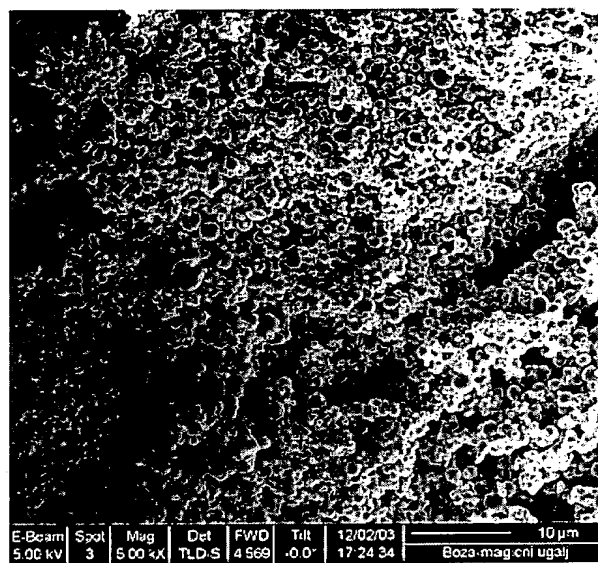


Figure 2B

Carbon (65,000x)

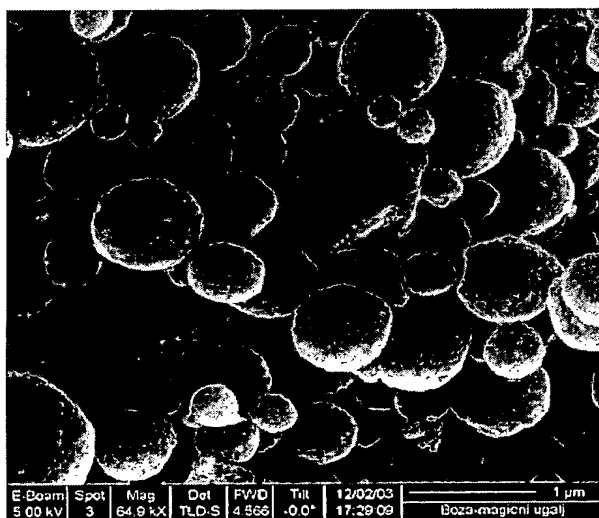


Figure 2C

Carbon (150,000x)

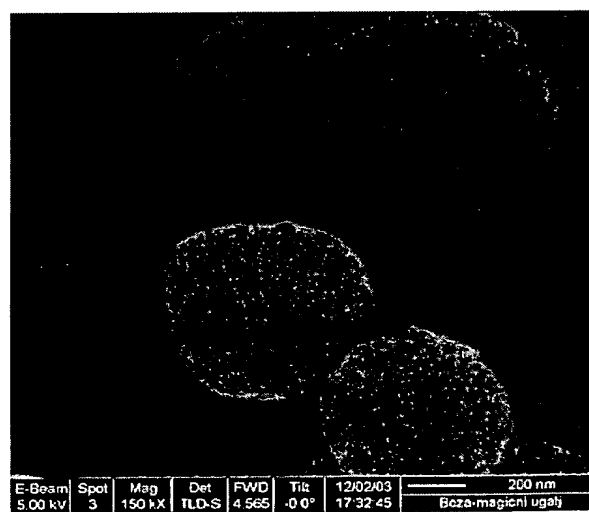
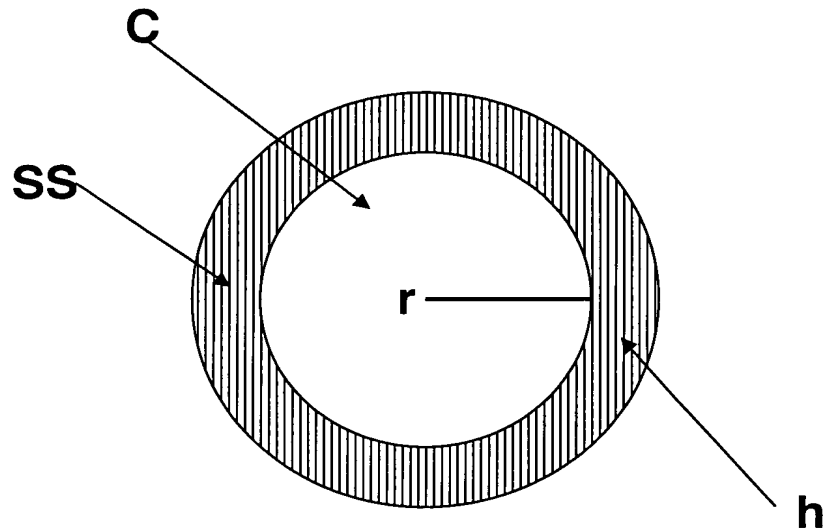


Figure 2D

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Schematic Representation of Carbon SnSb Alloy Spherule



C = carbon

SS = SnSb-alloy

r = radius of carbon spherule

h = thickness of SS-layer

$D = 2r + 2h$ = diameter (cross-section of composite spherule)

V_{C+SS} = volume of composite (V_{r+h})

V_C = volume of carbon (V_r)

V_{SS} = volume of SS ($V_{r+h} - V_r$)

$Wt = V \times sg$, where sg = specific gravity

$sg_C = 2.0$

$sg_{SS} = 7.0$

Figure 3